

RCI-8 - State Appliance Efficiency Standards

Benefit/Cost of Reducing CO₂e:

Arizona: 7 MMt between 2007-2020; 0.6% of 2020 emissions; \$-66/ton
New Mexico: 2.1 MMt between 2007-2020; 0.3% of 2020 emissions; \$-46/ton
Colorado: Medium reduction potential; Low cost
Montana: 1.5 MMt between 2007-2020; 0.4% of 2020 emissions; \$-36/ton
Oregon: 0.41 MMt between 2007-2025; 0.4% of 2025 emissions; Cost effective
N. Carolina: 5 MMt between 2007-2020; 0.4% of 2020 emissions; \$-62/ton

Assessment: High Priority. Bin A. 17 out of 22 votes.

Although the reduction potential may be modest overall, this policy option is highly-cost effective and can be readily implemented.

This policy option could be based upon existing appliance standards in other states, or new, Utah-specific standards could be developed for appliances not covered by federal programs. The feasibility of this option would be driven by local energy costs and principle-driven decisions.

Some examples of state appliance efficiency standards are presented below.

California's Appliance Efficiency Regulations include standards for both federally-regulated appliances and non-federally-regulated appliances. Twenty-one categories of appliances are included in the scope of these regulations. The standards within these regulations apply to appliances that are sold or offered for sale in the state.¹⁵

Arizona law sets minimum energy efficiency standards for the following 12 products not covered by current federal standards: torchiere light fixtures, exit signs, commercial refrigerators and freezers, commercial clothes washers, large commercial air conditioning equipment, icemakers, spray nozzles used in commercial kitchens, low-voltage distribution transformers, metal-halide lamp fixtures, power supplies for electronic devices, unit heaters, and traffic signals. According to the Southwest Energy Efficiency Project (SWEET), the standards will save Arizona consumers and business a total of \$650 million on energy bills by 2030.¹⁶

¹⁵ See <http://www.energy.ca.gov/appliances/2006regulations/index.html>

¹⁶ See http://www.eere.energy.gov/state_energy_program/news_detail.cfm/news_id=9028